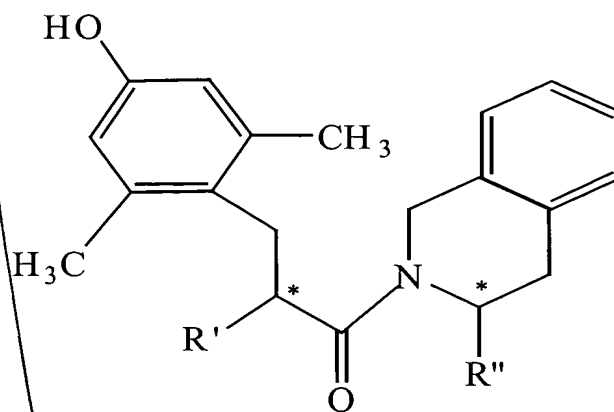
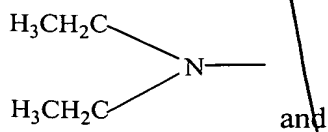
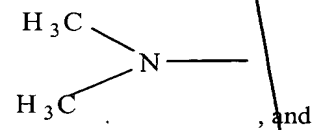
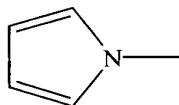
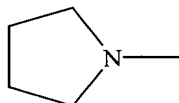
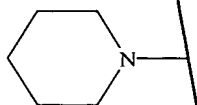
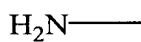


WHAT IS CLAIMED IS:

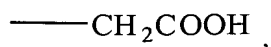
1. A compound of formula:



wherein R' is selected from the group consisting of

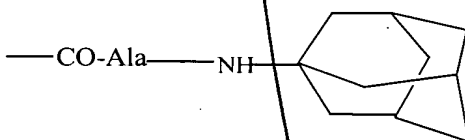
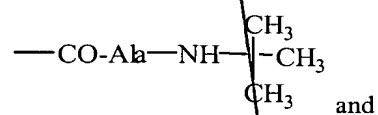
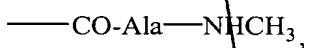
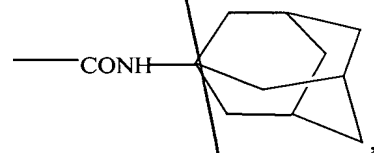
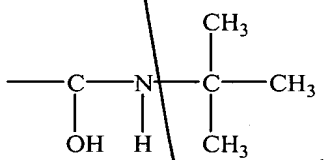
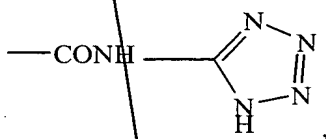


R'' is selected from the group consisting of

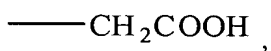


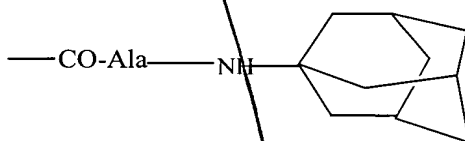
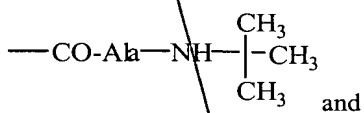
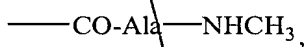
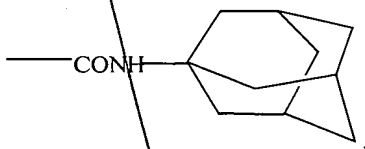
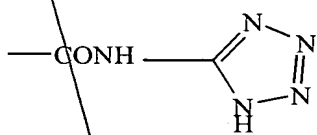
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AKS



2. The compound of claim 1, wherein R' is $\text{H}_2\text{N---}$ and R'' is selected from the group consisting of



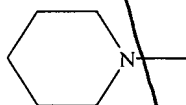


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3. The compound of claim 1, wherein R' is H₂NH₂C- and R'' is —COOH.

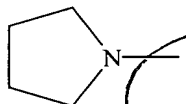
4. The compound of claim 1, wherein R' is



and R'' is —COOH.

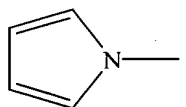
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5. The compound of claim 1, wherein R' is



and R'' is —COOH.

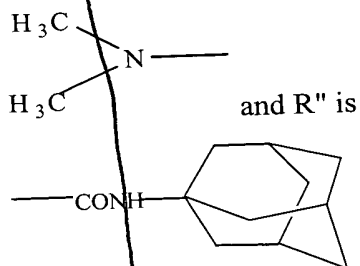
6. The compound of claim 1, wherein R' is



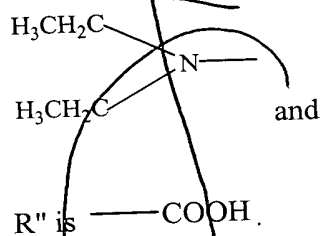
and R'' is —COOH.

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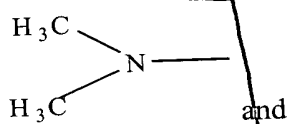
7. The compound of claim 1, wherein R' is



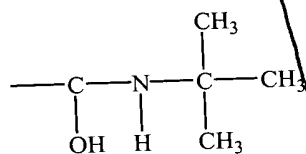
8. The compound of claim 1, wherein R' is



9. The compound of claim 1, wherein R' is



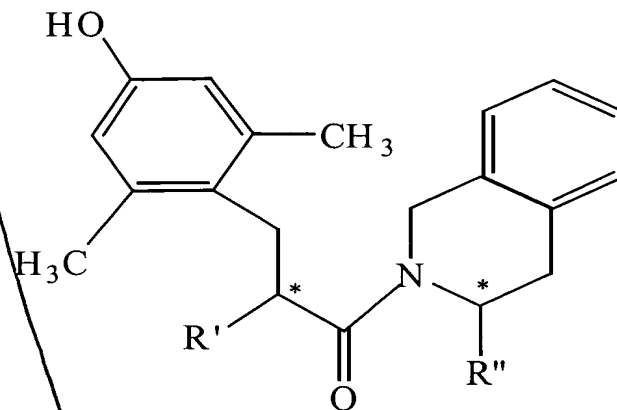
R" is



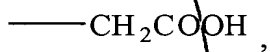
10. A composition comprising at least one compound of claim 1.

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11. A method of treating a mammal in need of an antagonist of a δ -opioid receptor, which method comprises administering at least one compound of formula:

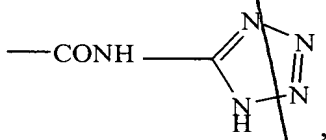


wherein (i) R' is $\text{H}_2\text{N}-$ and R'' is



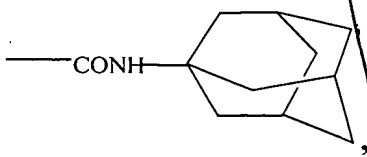
(ii) R' is $\text{H}_2\text{N}-$ and

R'' is

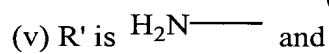
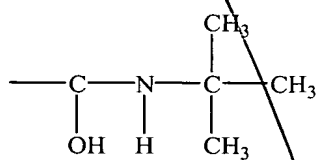
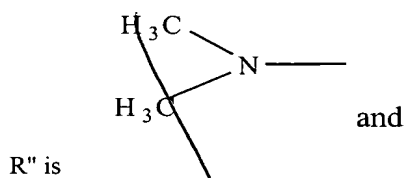


(iii) R' is $\text{H}_3\text{C}-$ and

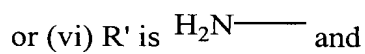
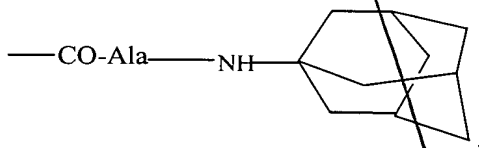
R'' is



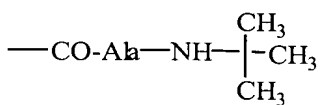
(iv) R' is



R" is

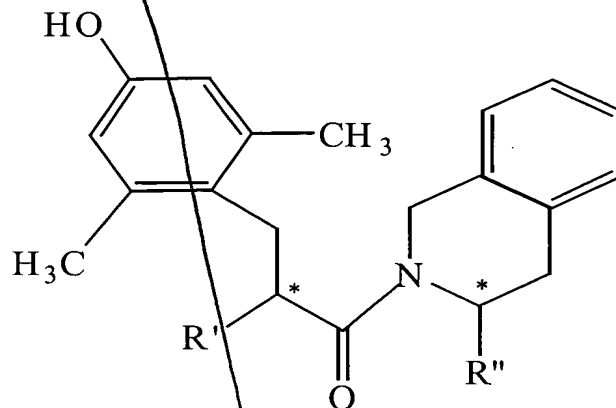


R" is

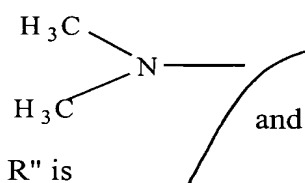


in an amount that antagonizes a δ -opioid receptor in said mammal.

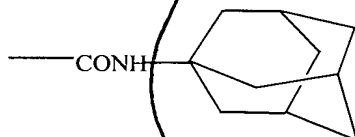
12. The method of claim 11, wherein said mammal is also in need of an agonist of a μ -opioid receptor, in which case the compound of formula:



is the compound wherein R' is

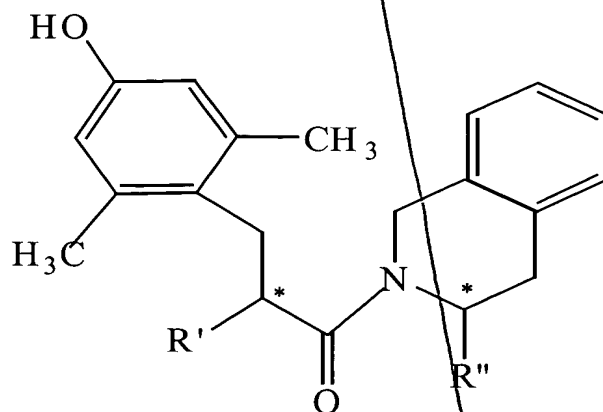


R'' is



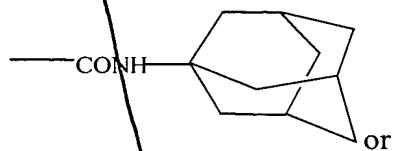
and the compound is administered in an amount that also agonizes a μ -opioid receptor in said mammal.

13. A method of treating a mammal in need of an agonist of a δ -opioid receptor, which method comprises administering at least one compound of formula:



wherein (i) R' is H_2N — and

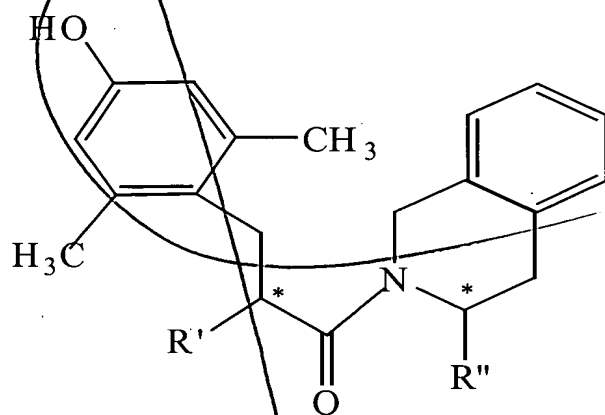
R'' is



(ii) R' is H_2N — and

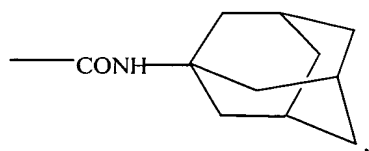
R'' is —CO-Ala—NHCH₃ in an amount that agonizes a δ -opioid receptor in said mammal.

14. A method of treating a mammal in need of an agonist of a μ -opioid receptor, which method comprises administering at least one compound of formula:

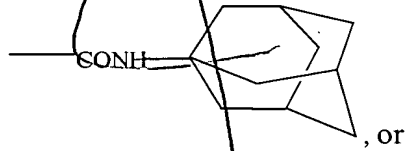
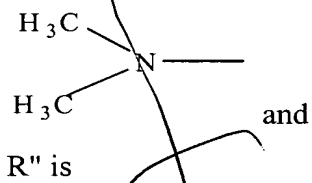


wherein (i) R' is H_2N — and

R'' is

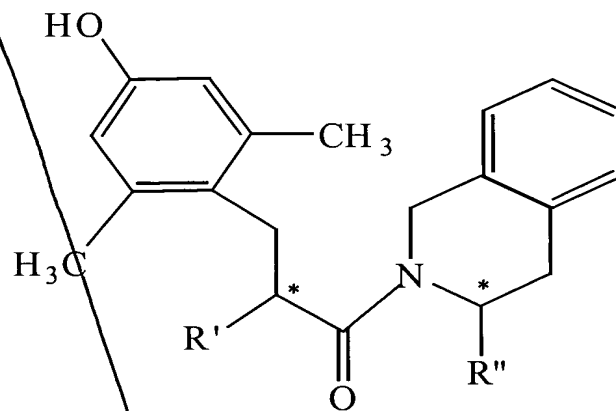


(ii) R' is



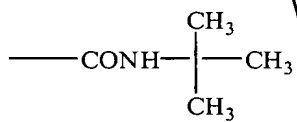
(iii) R' is H_2N — and R'' is — CO-Ala-NHCH_3 in an amount that agonizes a μ -opioid receptor in said mammal.

15. A method of inhibiting the binding of an opioid receptor-binding compound with a P glycoprotein in a mammal, which method comprises administering at least one compound of formula:

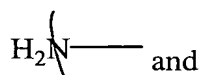


wherein (i) R' is H_2N — and

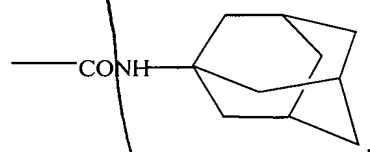
R'' is



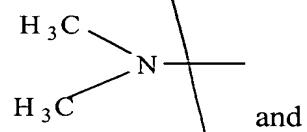
(ii) R' is



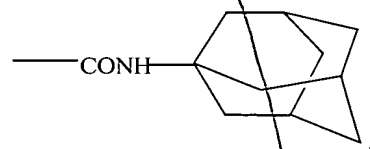
R'' is



(iii) R' is

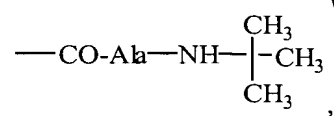


R'' is

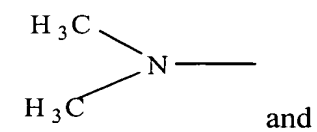


(iv) R' is $\text{H}_2\text{N}-$ and

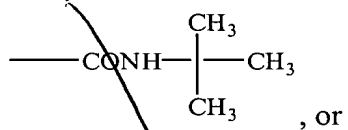
R'' is



(v) R' is

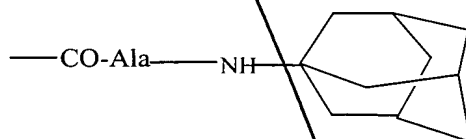


R'' is



(vi) R' is $\text{H}_2\text{N---}$ and

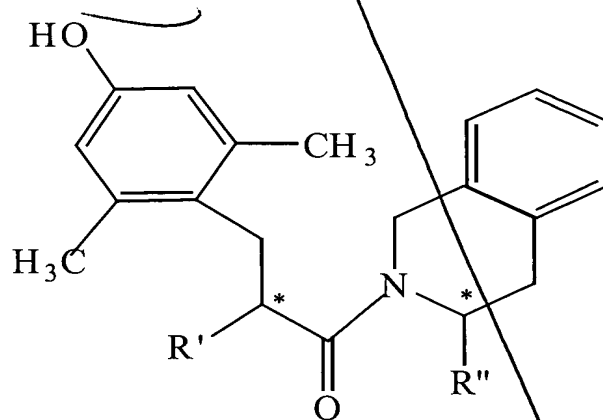
R'' is



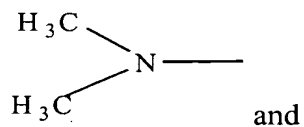
in an amount effect to inhibit the binding of an opioid receptor-binding compound with a P glycoprotein in a mammal.

16. The method of claim 15, wherein said P glycoprotein is P-gp1 (hMDR-1).

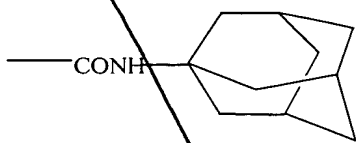
17. The method of claim 15, wherein said compound of formula:



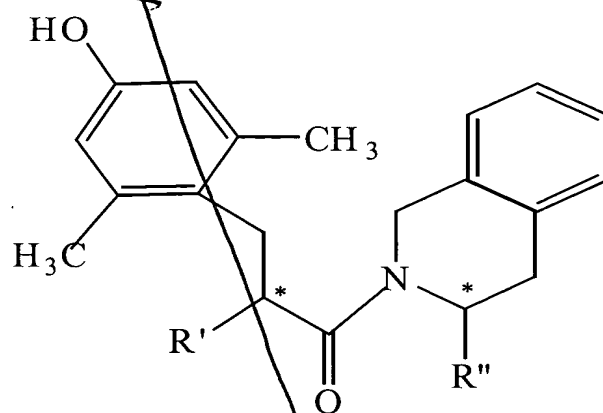
15 is the compound wherein R' is



R'' is

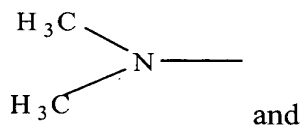


18. The method of claim 16, wherein said compound of formula:



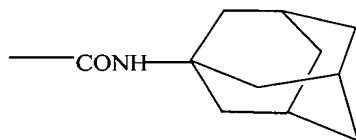
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is the compound wherein R' is



and

R'' is



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Add
RA

add
C1